COPY OF ALL CLAIMS

- A cosmetic composition comprising at least one water-soluble or waterdispersible polymer which comprises, in copolymerized form,
 - a) from 45 to 85% by weight of at least one α,β-ethylenically unsaturated monomer of the formula I

$$R^{1}$$
|
 $CH_{2}=C-C-X^{1}-C(CH_{3})_{3}$ (I)

in which

R¹ is hydrogen or C₁-C₈-alkyl, and

X¹ is O or NR², where R² is hydrogen, C₁-C₈-alkyl or C₅-C₈-cycloalkyl,

- b) from 10 to 30% by weight of at least one α,β-ethylenically unsaturated mono- and/or dicarboxylic acid,
- c) from 1 to 20% by weight of at least one compound having at least one α,β-ethylenically unsaturated double bond and at least 5 alkylene oxide units per molecule, chosen from polyether acrylates of the formula II

$$R^{3}$$
|
 $CH_{2}=C-C-X^{2}-(CH_{2}CH_{2}O)_{k}(CH_{2}CH(CH_{3})O)_{1}-R^{4}$ (II)
|
O

in which the order of the alkylene oxide units is arbitrary,

k and 1 independently of one another are an integer from 0 to 50, the sum k + I being at least 5,

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R³ is hydrogen or C₁-C₈-alkyl, and

R⁴ is hydrogen or C₁-C₆-alkyl,

 X^2 is O or NR², where R² is hydrogen, C₁-C₈-alkyl or C₅-C₈-cycloalkyl,

d) from 1 to 30% by weight of at least one compound having at least one α,β -ethylenically unsaturated double bond and at least one straight-chain or branched C_8 - C_{30} -alkyl or -alkylene radical per molecule, chosen from compounds of the formula III

$$R^{5}$$
 $CH_{2}=C-C-Y-R^{6}$
 $CH_{2}=C$
 $CH_{3}=C$

in which

R⁵ is hydrogen or C₁-C₈-alkyl,

 R^6 is a straight-chain or branched $C_8\text{-}C_{30}\text{-alkyl}$ radical, and

Y is O or NR 7 , where R 7 is hydrogen, C $_1$ -C $_8$ -alkyl or C $_5$ -C $_8$ -cycloalkyl, where the components c) and/or d) can be partially or completely replaced by a component e), where

e) is at least one compound having at least one α,β-ethylenically unsaturated double bond, at least 5 alkylene oxide units and at least one straight-chain or branched C₈-C₃₀-alkyl or -alkylene radical per molecule, where component e) is chosen from

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e1) polyether acrylates of the formula II

$$R^{3}$$
|
 $CH_{2}=C-C-X^{2}-(CH_{2}CH_{2}O)_{k}(CH_{2}CH(CH_{3})O)_{1}-R^{4}$ (II)
|
O

in which the order of the alkylene oxide units is arbitrary,

k and 1 independently of one another are an integer from 0 to 50, the sum

k + I being at least 5,

R³ is hydrogen or C₁-C₈-alkyl, and

R4 is C8-C30-alkyl,

 X^2 is O or NR², where R² is hydrogen, C₁-C₈-alkyl or C₅-C₈-cycloalkyl,

e2) urethane (meth)acrylates containing alkylene oxide groups and mixtures thereof

or the salts thereof.

- 5. A composition as claimed in claim 1, where component e2) comprises, in incorporated form, the following compounds: f, g and h; or f, h, i and m; or g and l; or i, l and m; or f, i, l and m; or f, h, k and m and optionally other compounds, where
 - f) is at least one diisocyanate,
 - g) is at least one compound of the formula IV

$$R^{8}-O-(CH_{2}CH_{2}O)_{m}(CH_{2}CH(CH_{3})O)_{n}-H$$
 (IV)

in which the order of the alkylene oxide units is arbitrary,

R⁸ is a straight-chain or branched C₈-C₃₀-alkyl radical,

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m and n independently of one another are an integer from 0 to 50, the sum m+n being at least 5,

- h) is at least one α,β -ethylenically unsaturated compound which, per molecule, additionally contains at least one group which is reactive toward isocyanate groups,
- i) is a compound chosen from monohydric alcohols, diols, amines, diamines and aminoalcohols having at least one straight-chain or branched $\rm C_8$ - $\rm C_{30}$ -alkyl or -alkylene radical per molecule, and mixtures thereof,
- k) at least one aliphatic, cycloaliphatic or aromatic monoisocyanate,
- is at least one α,β -ethylenically unsaturated compound which additionally contains at least one isocyanate group per molecule,
- m) is at least one compound of the formula V

$$R^9$$
-($CH_2CH_2O)_p$ ($CH_2CH(CH_3)O)_q$ - R^{10} (V)

in which

the order of the alkylene oxide units is arbitrary, p and q are as defined above for m and n,

R⁹ is OH,

R¹⁰ is H.

- 6. A composition as claimed in claim 5, where component e2) additionally comprises, in incorporated form, at least one component chosen from
 - n) compounds having a molecular weight in the range from 56 to 300 which contain

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two active hydrogen atoms per molecule,

- o) polytetrahydrofurans having two active hydrogen atoms per molecule,
- p) polysiloxanes of the formula VI

$$Z^{1} - (CH_{2})_{r} = \begin{bmatrix} R^{13} \\ | \\ Si - O \\ | \\ R^{14} \end{bmatrix} = \begin{bmatrix} R^{13} \\ | \\ Si - (CH_{2})_{s} - Z^{2} \\ | \\ R^{14} \end{bmatrix}$$
(VI)

in which

R¹³ and R¹⁴ independently of one another are C₁-C₄-alkyl, benzyl, phenyl or a radical of the formula VII

$$-(CH2)u-O-(CH2CH2O)v(CH2CH(CH3)O)w-H (VII)$$

where

in the formula VII the order of the alkylene oxide units is arbitrary,

u is an integer from 1 to 8,

v and w independently of one another are an integer from 0 to 200, the sum v + w being > 0,

 Z^1 and Z^2 independently of one another are OH, NHR¹⁵ or a radical of the formula VII, where R¹⁵ is hydrogen, C₁-C₆-alkyl or C₅-C₈-cycloalkyl, r and s independently of one another are from 2 to 8,

t is from 3 to 50,

and mixtures thereof.

 A composition as claimed in claim 1, comprising a polymer which comprises, in copolymerized form,

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- from 45 to 80% by weight, of at least one component a),
- from 15 to 28% by weight, of at least one component b),
- from 2 to 15% by weight, of at least one component c),
- from 2 to 25% by weight, at least one component d),
 where components c) and/or d) can be partially or completely replaced by a
 component e).
- 8. A composition as claimed in claim 1 in the form of a hair-treatment composition.
- 9. A composition as claimed in claim 1, comprising
 - (a) from 0.5% to 20% by weight of a water-soluble or -dispersible polymer as defined in claim 1.

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- b) from 30 to 99.5% by weight, of at least one solvent chosen from water, water-miscible solvent and mixtures thereof,
- c) from 0 to 70% by weight of a propellant
- d) from 0 to 10% by weight of at least one water-soluble or -dispersible hair polymer which is different from a),
- e) from 0 to 0.3% by weight of at least one water-insoluble silicone,
- f) from 0 to 1% by weight of at least one nonionic, siloxane-containing, water-soluble or -dispersible polymer.
- 10. Coating composition or binder for solid medicament forms or coating composition for the textile, paper, printing, leather and adhesive industries, comprising a polymer as defined in claim 1.

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- 11. A composition as claimed in claim 9, wherein component b) is from 40 to 99% by weight.
- 12. A composition as claimed in claim 1, in the form of a hair spray.